What is claimed is:

1. A process for producing aqueous primary dispersions of polymer-ensheathed pigment, which comprises

(a) at least one polyfunctional isocyanate and
(b) at least one compound having isocyanate-reactive groups selected from polyetherols, polyesterols, polyhydric alcohols having up to 8 carbon atoms, polycarbonate diols, polyhydroxyolefins, polyhydroxyurethanes, polyisobutenediols, polysiloxanes having on average at least 2 hydroxyl groups per molecule and lactone-based polyesterdiols

being mixed with pigment, water and if appropriate one or more surface-active substances and reacted with each other.

2. The process according to claim 1 wherein (a) and (b) are mixed with water and pigment to form a miniemulsion having an average diameter in the range from 20 to 1000 nm for the monomer droplets.

3. The process according to claim 1 or 2 wherein at least one pigment is an organic pigment or is carbon black.

4. The process according to any one of claims 1 to 3 that utilizes pigment in predispersed form.

5. The process according to any one of claims 1 to 4 that utilizes a compound (a) or (b) as a surface-active substance.

6. The process according to any one of claims 1 to 5 wherein one or more free-radically polymerizable monomers are added as a component (c).

7. An aqueous primary dispersion produced by a process according to any one of claims 1 to 6.

8. The aqueous primary dispersion according to claim 7 wherein the water content is in the range from 30% to 95% by weight.

9. Use of aqueous primary dispersions according to claim 7 or 8 for finishing leather.

10. Leather finished using at least one aqueous primary dispersion according to claim 7 or 8.

11. Use of aqueous primary dispersions according to claim 7 or 8 in textile printing.

12. A textile colored using at least one aqueous primary dispersion according to claim 7 or 8.

13. A print paste comprising at least one aqueous primary dispersion according to claim 7 or 8.

14. A fibrous substrate ensheathed using at least one aqueous primary dispersion according to claim 7 or 8.

15. Use of aqueous primary dispersions according to claim 7 or 8 as or for producing inks for the ink jet process.

16. An ink jet process ink comprising at least one aqueous primary dispersion according to claim 7 or 8.

17. An ensheathed pigment obtainable by a process according to any one of claims 1 to 6 and subsequent application of a drying process.

18. A process for producing ensheathed pigments, which comprises first producing an aqueous primary dispersion according to any one of claims 1 to 6 and then isolating the ensheathed pigment by a drying process.